

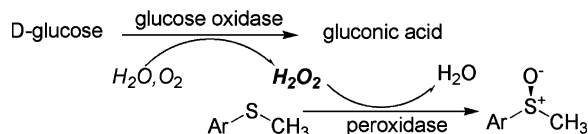
Ionic liquids as a new reaction medium for oxidase–peroxidase-catalyzed sulfoxidation

Tetrahedron: Asymmetry 14 (2003) 2487

Krzysztof Okrasa,^{a,b} Eryka Guibé-Jampel^b and Michel Therisod^{b,*}

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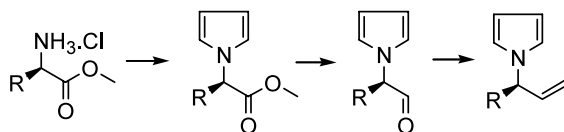
A new class of optically active pyrrole derivatives: (3*R*)-3-(pyrrol-1-yl)alk-1-enes from D- α -aminoacids

Tetrahedron: Asymmetry 14 (2003) 2491

Roberta Settambolo,^a Giuditta Guazzelli,^b Lucia Mengali,^b Alessandro Mandoli^b and Raffaello Lazzaroni^{b,*}

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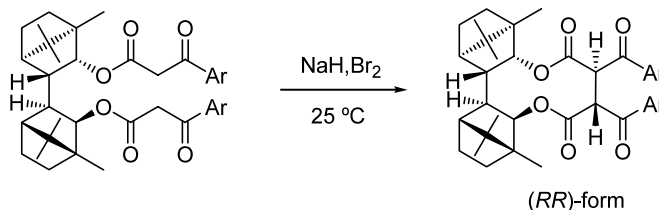
a: R=Me b: R=*iso*-Pr c: R=*n*-Pr

Stereoselective intramolecular coupling of diaroylacetates of (1*R*,1'*R*)-*exo,exo'*-3,3'-biisoborneol by oxidation with Br₂

Tetrahedron: Asymmetry 14 (2003) 2495

Naoki Kise,^{*} Azumi Fujimoto, Noriaki Moriyama and Nasuo Ueda

Department of Biotechnology, Faculty of Engineering, Tottori University, Koyama, Tottori 680-8552, Japan

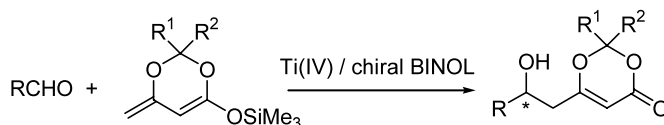


A convenient catalytic procedure for the highly enantioselective aldol condensation of *O*-silyldienolates

Tetrahedron: Asymmetry 14 (2003) 2499

Margherita De Rosa, Maria Rosaria Acocella, Rosaria Villano, Annunziata Soriente and Arrigo Scettri^{*}

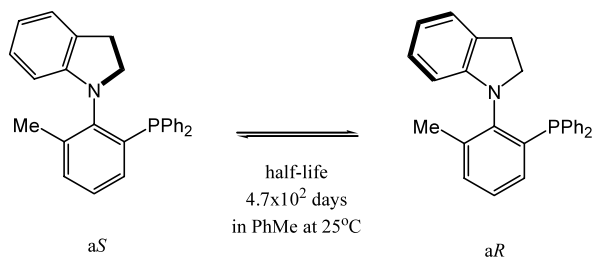
Dipartimento di Chimica, Università degli Studi di Salerno, 84081 Baronissi (Salerno), Italy



A C(aryl)–N(amine) bond atropisomeric aminophosphine: preparation and use as a ligand in a catalytic asymmetric allylic alkylation

Takashi Mino,* Youichi Tanaka, Toshihiro Yabusaki, Daisuke Okumura, Masami Sakamoto and Tsutomu Fujita

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Tetrahedron: Asymmetry 14 (2003) 2503

Novel stereoselective synthesis of 1-(β-D- and α-L-glycopyranosyl)-5-methyl-1H-1,2,4-triazoles

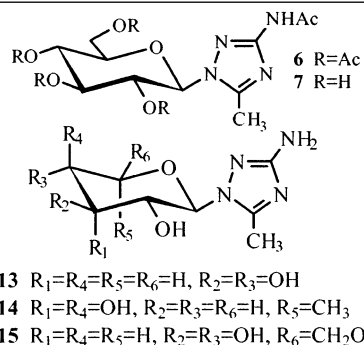
Jianxin Yu,^{a,b,*} Zhongjun Li,^b Wenjie Lu,^c Suna Zhang^a and Mengshen Cai^b

^aDepartment of Chemistry, Xinjiang University, Wulumqi 830046, China

^bNational Laboratory of Natural and Biomimetic Drugs, School of Pharmaceutical Sciences, Peking University, Beijing 100083, China

^cDepartment of Chemistry, Wuyi University, Jiangmen 529020, China

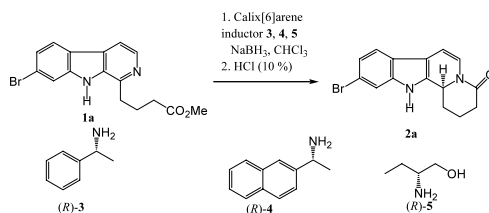
Tetrahedron: Asymmetry 14 (2003) 2507



A novel asymmetric reduction of dihydro-β-carboline derivatives using calix[6]arene/chiral amine as a host complex

Leonardo Silva Santos, Sergio Antonio Fernandes, Ronaldo Aloise Pilli* and Anita Jocelyne Marsaioli*

Instituto de Química, Departamento de Química Orgânica, UNICAMP, PO Box 6154, 13084-971, Campinas, SP, Brazil



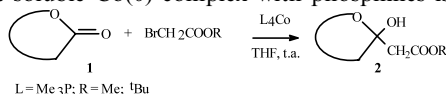
Tetrahedron: Asymmetry 14 (2003) 2515

A new Co(0) complex mediated synthesis of C-glycoside analogues

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Dipartimento di Chimica Organica e Industriale, Via Venezian 21-20133 Milano, Italy

A new and convenient synthesis of C-glycosides analogs from properly protected glyconolactones and α-haloesters in tetrahydrofuran in the presence of a soluble Co(0) complex with phosphines is reported.



1a: 2,3,5-Tri-O-benzyl-β-D-arabinono-1,4-lactone; **1b:** 2,3:5,6-di-O-isopropylidene-α-D-mannono-1,4-lactone; **1c:** 2,3-O-isopropylidene-D-erythronolactone; **1d:** 2,3,5,6-di-O-isopropylidene-D-gulonolactone; **1e:** 2,3,4,6-tetra-O-benzyl-D-glucono-1,5-lactone; **1f:** 2,3,4,6-tetra-O-benzyl-galactono-1,5-lactone; **1g:** 2,3,4-tri-O-benzyl-L-fucono-1,5-lactone; **1h:** 2,3,4-tri-O-benzyl-L-rhamno-1,5-lactone

Tetrahedron: Asymmetry 14 (2003) 2521

Synthesis and characterization of a new enantiopure hydroxylated phosphine, its rhodium(I) and (III) complexes and their performance in catalytic carbonylation

Tetrahedron: Asymmetry 14 (2003) 2529

Josep Duran,^a Daniel Oliver,^a Alfonso Polo,^{a,*} Julio Real,^b Jordi Benet-Buchholz^c and Xavier Fontrodona^c

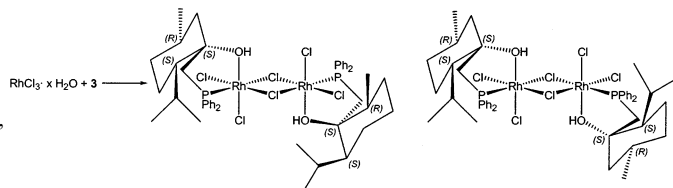
^aDepartament de Química, Universitat de Girona, Campus de Montilivi, 17071 Girona, Spain

^bDepartament de Química, Universitat Autònoma de Barcelona, 08193 Bellaterra, Spain

^cBayer AG, Bayer Industry Services, Analytics X-ray Laboratory, Geb. Q18, Raum 490, D-51368 Leverkusen, Germany

A new enantiopure hydroxylated phosphine was prepared from commercially available, low cost (–)-menthone in a two step stereoselective synthesis.

Reaction of this ligand with the appropriate rhodium precursor produced the corresponding Rh(I) and Rh(III) complexes.

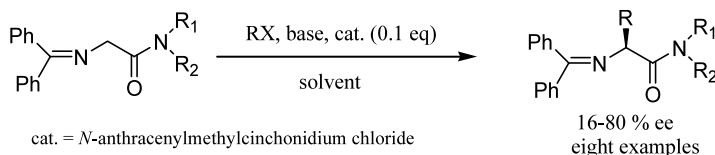


Phase transfer catalyzed asymmetric alkylations of imine glycinamides

Tetrahedron: Asymmetry 14 (2003) 2539

Sanjeev Kumar and Uma Ramachandran*

Department of Pharmaceutical Technology, National Institute of Pharmaceutical Education & Research (NIPER) Sector-67, Mohali, Punjab 160 062, India



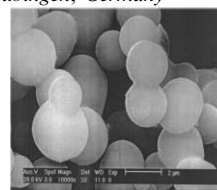
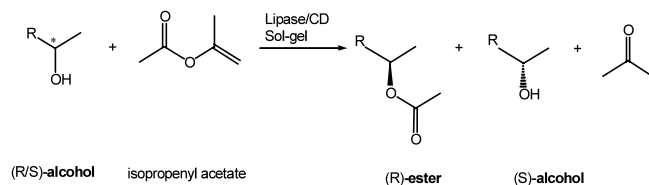
Entrapment of *Pseudomonas cepacia* lipase with peracetylated β -cyclodextrin in sol-gel: application to the kinetic resolution of secondary alcohols

Tetrahedron: Asymmetry 14 (2003) 2547

Ashraf Ghanem^{a,*} and Volker Schurig^b

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^bInstitute of Organic Chemistry, University of Tübingen, Auf der Morgenstelle 18, D-72076 Tübingen, Germany



Lipase/CD in solgel

High-performance liquid chromatographic enantiomer separation and determination of absolute configurations of phosphinic acid analogues of dipeptides and their α -aminophosphinic acid precursors

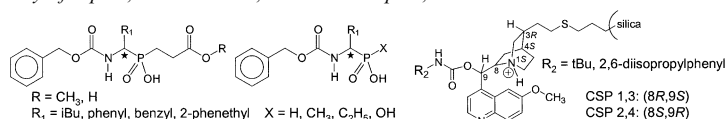
Tetrahedron: Asymmetry 14 (2003) 2557

Michael Lämmerhofer,^{a,*} Dieter Hebenstreit,^a Elena Gavioli,^a Wolfgang Lindner,^a Artur Mucha,^b Paweł Kafarski^b and Piotr Wieczorek^c

^aChristian Doppler Laboratory for Molecular Recognition Materials, Institute of Analytical Chemistry, University of Vienna, Währingerstrasse 38, A-1090 Vienna, Austria

^bInstitute of Organic Chemistry, Biochemistry, and Biotechnology, Wrocław University of Technology, Wybrzeże Wyspiańskiego 27, 50-370 Wrocław, Poland

^cInstitute of Chemistry, University of Opole, ul. Oleska 48, PL-45 052 Opole, Poland

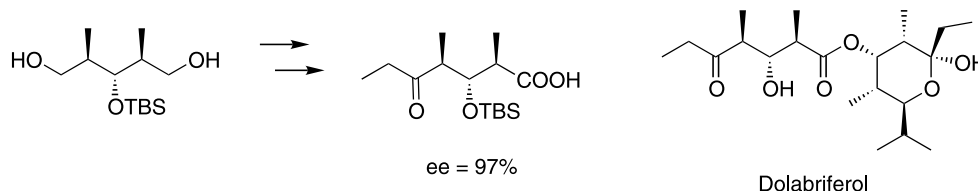


Chemoenzymatic enantioselective synthesis of the polypropionate acid moiety of dolabriferol

Tetrahedron: Asymmetry 14 (2003) 2567

Robert Chênevert,* Gabriel Courchesne and Dave Caron

Département de chimie, Faculté des sciences et de génie, Université Laval, Québec, Canada G1K 7P4



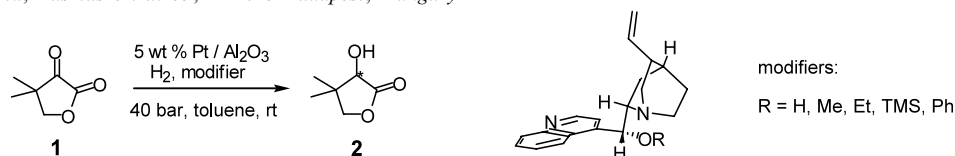
Inversion of enantioselectivity in the hydrogenation of ketopantolactone on platinum modified by ether derivatives of cinchonidine

Tetrahedron: Asymmetry 14 (2003) 2573

Simon Diezi,^a Andras Szabo,^b Tamas Mallat^a and Alfons Baiker^{a,*}

^aSwiss Federal Institute of Technology, Institute for Chemical and Bioengineering, ETH Hönggerberg, Wolfgang-Pauli-Straße 10, CH-8093 Zürich, Switzerland

^bUbichem Research Ltd, Pusztaszeri ut 59, H-1025 Budapest, Hungary



Straightforward synthesis of derivatives of D- and L-galactonic acids as precursors of stereoregular polymers

Tetrahedron: Asymmetry 14 (2003) 2579

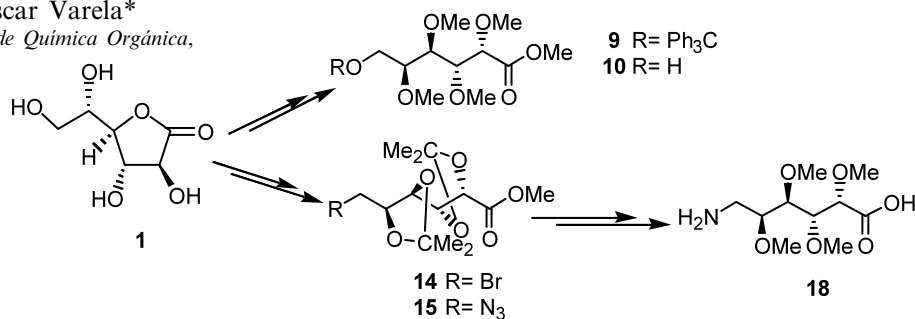
Carmen L. Romero Zaliz and Oscar Varela*

CIHIDECAR-CONICET, Departamento de Química Orgánica,

Facultad de Ciencias Exactas y Naturales,

Pabellón II, Ciudad Universitaria,

1428 Buenos Aires, Argentina

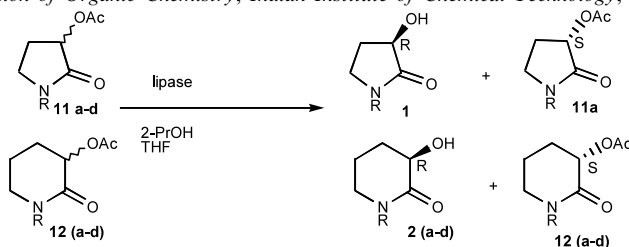


Chemoenzymatic enantioselective synthesis of 3-hydroxy-2-pyrrolidinones and 3-hydroxy-2-piperidinones

Tetrahedron: Asymmetry 14 (2003) 2587

Ahmed Kamal,* K. Venkata Ramana, A. Venkata Ramana and A. Hari Babu

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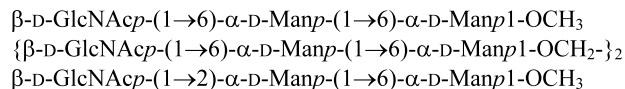


Concise syntheses of β -GlcNAcp-(1 $\rightarrow$ 6)- α -Manp-(1 $\rightarrow$ 6)-Manp and its dimer, and β -GlcNAcp-(1 $\rightarrow$ 2)- α -Manp-(1 $\rightarrow$ 6)-Manp

Zuchao Ma, Jianjun Zhang and Fanzuo Kong*

Research Center for Eco-Environmental Sciences, Academia Sinica, PO Box 2871, Beijing 100085, PR China

Tetrahedron: Asymmetry 14 (2003) 2595



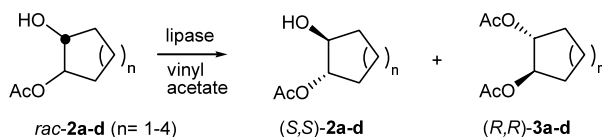
Kinetic resolution of *trans*-2-acetoxycycloalkan-1-ols by lipase-catalysed enantiomerically selective acylation

Viktória Bódai,^{a,b} Olivér Orovecz,^a György Szakács,^b Lajos Novák^a and László Poppe^{a,*}

^aInstitute for Organic Chemistry and Research Group for Alkaloid Chemistry of the Hungarian Academy of Sciences, Budapest University of Technology and Economics, H-1111 Budapest, Gellért tér 4., Hungary

^bDepartment of Agricultural Chemical Technology, Budapest University of Technology and Economics, Gellért tér 4, H-1111 Budapest, Hungary

Tetrahedron: Asymmetry 14 (2003) 2605



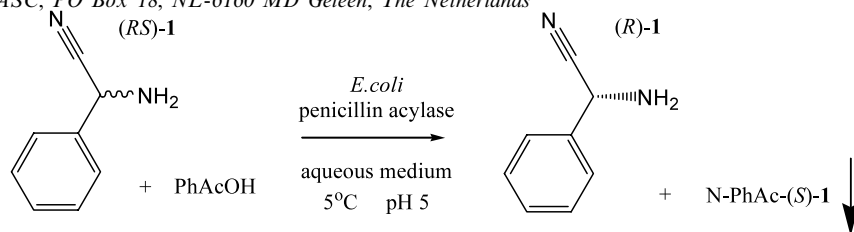
Resolution of (*RS*)-phenylglycinonitrile by penicillin acylase-catalyzed acylation in aqueous medium

Ghermes G. Chilov,^a Harold M. Moody,^b Wilhelmus H. J. Boesten^b and Vytas K. Švedas^{a,*}

^aDepartment of Bioengineering and Bioinformatics, Belozersky Institute of Physicochemical Biology, Lomonosov Moscow State University, Lenin Hills, 119992 Moscow, Russia

^bDSM Research, LS-ASC, PO Box 18, NL-6160 MD Geleen, The Netherlands

Tetrahedron: Asymmetry 14 (2003) 2613



A practical synthesis of enantiopure (*S*)-4-(4-hydroxybenzyl)-oxazolidin-2-one

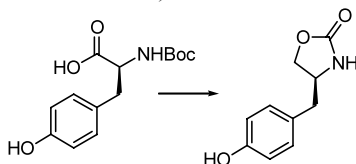
Rachel Green,^a Piers J. M. Taylor,^a Steven D. Bull,^{a,*} Tony D. James,^{a,*} Mary F. Mahon^b and Andy T. Merritt^c

^aDepartment of Chemistry, University of Bath, Bath BA2 7AY, UK

^bBath Chemical Crystallography, Department of Chemistry, University of Bath, Bath BA2 7AY, UK

^cGlaxoSmithkline Research and Development, Medicines Research Centre, Gunnels Wood Road, Stevenage, Hertfordshire SG1 2NY, UK

Tetrahedron: Asymmetry 14 (2003) 2619

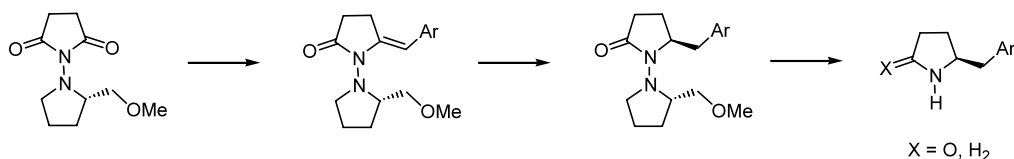


Asymmetric synthesis of 5-arylmethylpyrrolidin-2-ones and 2-arylmethylpyrrolidines

Tetrahedron: Asymmetry 14 (2003) 2625

Stéphane Lebrun, Axel Couture,* Eric Deniau and Pierre Grandclaude

Laboratoire de Chimie Organique Physique, UMR 8009, Université des Sciences et Technologies de Lille, Bâtiment C3(2), F-59655 Villeneuve d'Ascq Cedex, France

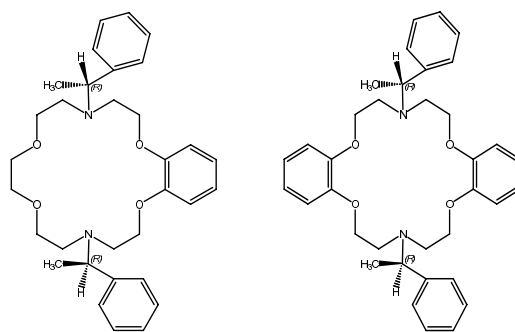


Synthesis of chiral diaza 18-crown-6 ethers from chiral amines and molecular recognition of potassium and sodium salts of amino acids

Tetrahedron: Asymmetry 14 (2003) 2633

N. Demirel* and Y. Bulut

University of Dicle, Faculty of Science, Department of Chemistry, 21280 Diyarbakır, Turkey



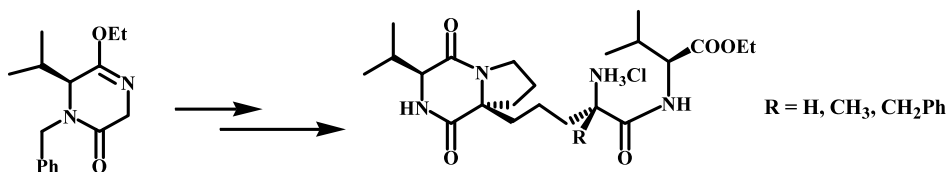
Unusual peptides containing the 2,6-diaminopimelic acid framework: Stereocontrolled synthesis, X-ray analysis, and computational modelling. Part 2

Tetrahedron: Asymmetry 14 (2003) 2639

R. Galeazzi,^a M. Garavelli,^b A. Grandi,^b M. Monari,^b G. Porzi^{b,*} and S. Sandri^{b,*}

^aDipartimento di Scienze dei Materiali e della Terra, Università di Ancona, Via Brecce Bianche, 60131 Ancona, Italy

^bDipartimento di Chimica 'G. Ciamician', Università di Bologna, Via Selmi 2, 40126 Bologna, Italy



Selenium-promoted synthesis of enantiomerically pure substituted morpholines starting from alkenes and chiral aminoalcohols

Tetrahedron: Asymmetry 14 (2003) 2651

Marcello Tiecco,* Lorenzo Testaferri, Francesca Marini, Silvia Sternativo, Claudio Santi, Luana Bagnoli and Andrea Temperini

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